

COUNTY

CARROLL

PROJECT NUMBER

NH000-0017-0110221

SHEET NO.

261

TOTAL SHEETS

333

STATE

GA.

PROJECT NUMBER

SHEET NO.

TOTAL SHEETS

REFLECTORIZED WASHER DETAILS

REFLECTIVE SHEETING TYPE IX (SEC. 913)
SHALL COVER SIDE FACING TRAFFIC

ATTACH UNDER
BUTTONHEAD BOLT

11/16"

3/4"

1/2"

2"

3"

1/4"R
TYP.

2 3/4"

96°(+/-4°)

0.10"

DIRECTION OF TRAFFIC

MATERIALS: ALUMINUM (ASTM B 209 ALLOY 5052 H-32
OR 12 GA. STEEL (ASTM A 526 GALV. M-III)
WITH REFLECTIVE SHEETING, AS APPROVED
BY THE DEPT. OF TRANSPORTATION LABORATORY.

COLORS: YELLOW IN MEDIANS AND
WHITE ON OUTSIDE SHOULDERS

REFLECTORIZED
WASHER

BUTTONHEAD BOLT

WASHER LOCATION
DETAIL

NOTE:
FOR 'T'-BEAM GUARDRAIL,
WASHER IS PLACED IN THE
TOP INDENTION.

WHERE BOLT DOES NOT EXTEND
THRU RAIL REFLECTORIZED
WASHER IS ATTACHED UNDER THE
SPLICE BOLT ON THE TOP CORRUGATION,
IF REQUIRED.

REFLECTORIZED WASHER DETAILS

ALONG ROADSIDE

TYPICAL GUARDRAIL INSTALLATION

TRAFFIC FLOW

APPROACH END-BRIDGE OR CONCRETE BARRIER

BRIDGE END
OR CONC. BARRIER

TYPICAL GUARDRAIL INSTALLATION

TRAFFIC FLOW

WASHER LOCATION
DETAIL

AT TURNOUTS

TYPICAL GUARDRAIL
INSTALLATION

TRAFFIC FLOW

SPACING OF REFLECTORIZED WASHERS

(A) AT ANCHORAGES:
- TWO (2) REFLECTORIZED WASHERS ARE REQUIRED ON THE RAIL
UNDER SPLICE BOLTS AS DIRECTED BY THE ENGINEER FOR
ELLIPTICALLY FLARED ANCHORAGES WITH ROUNDED END PIECES;
- NO REFLECTORIZED WASHERS WILL BE USED FOR
TANGENTIALLY ALIGNED OR STRAIGHT TAPERED ANCHORAGE
WITH EXTRUDER OR IMPACT HEADS

(B) - AT 75 FT. SPACINGS FOR INTERMEDIATE SECTIONS;

(C) - THREE WASHERS AT 6'-3" SPACING AT CONNECTIONS TO CONCRETE FACE ON THE APPROACH END;

(D) - AT 12'-6" SPACINGS AROUND RADII TURNS.

NOSE STRIPING DETAILS

(REQUIRED FOR ANCHORAGE
WITH ROUNDED NOSE)

TRAFFIC SIDE

12"

1 3/8"

2 3/4" YELLOW

2 3/4" BLACK

45°

45°

(ROTATE 90° WHERE APPROACH
TRAFFIC IS ON RIGHT SIDE)

(REQUIRED WITH ANCHORAGE
WITH EXTRUDER OR
IMPACT HEADS)

TRAFFIC SIDE

18"

2"

4" YELLOW

4" BLACK

45°

45°

(ROTATE 90° WHERE APPROACH
TRAFFIC IS ON RIGHT SIDE)

BLACK GLOSS DURABLE INK PRINTED ON
TYPE IX REFLECTIVE SHEETING
(SEE CURRENT SEC. 913 AND 917)

GENERAL NOTES:

1-SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION, & SUPPLEMENTS THERETO.

2-SEE SEPARATE STANDARDS FOR DETAILS OF GUARDRAIL INSTALLATIONS,
CONNECTING HARDWARE, AND ANCHORAGES.

3-PAYMENT FOR GUARDRAIL AND ANCHORAGES INCLUDES ALL REFLECTORIZED
WASHERS AND NOSE STRIPING REQUIRED.

4-ADJUSTMENTS OF SPACINGS AND/OR REQUIREMENTS FOR REFLECTIVE WASHERS
MAY BE DIRECTED BY THE ENGINEER TO SUIT INDIVIDUAL LOCATIONS.

5-WHERE DOUBLE FACED GUARDRAIL IS LOCATED ON THE INSIDE SHOULDER OF
MEDIANS, REFLECTORIZED WASHERS SHALL BE REQUIRED ONLY ON THE SIDE
WHICH IS NEAREST TO TRAFFIC, UNLESS SPECIFIED OTHERWISE.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
REFLECTORIZED GUARDRAIL
WASHERS AND
ANCHORAGE NOSE STRIPING

NO SCALE

REV. & REDR. APRIL, 1999

DES. (SUBMITTED) *[Signature]*
STATE ROAD & AIRPORT DESIGN ENGINEER
DRWN. (APPROVED) *[Signature]*
CHCK. CHIEF ENGINEER

NUMBER
4360

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
GEORGIA STANDARDS

SRI/US 27 @ SRI66
INTERCHANGE RECONSTRUCTION
PI NO: 621990

DRAWING NO.
41-11

AECOM